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PATENT & TRADEMARK OFFICE

"Process For Preparing Short Chain Alkyl Aromatic Compounds"  
Family No. A7936  
Inventors: J.C. Cheng, et al.  
Serial No.: 08/853,007  
Page 1 of 3

Fig. 1 Ethylbenzene Synthesis with Alumina-Bound MCM-22

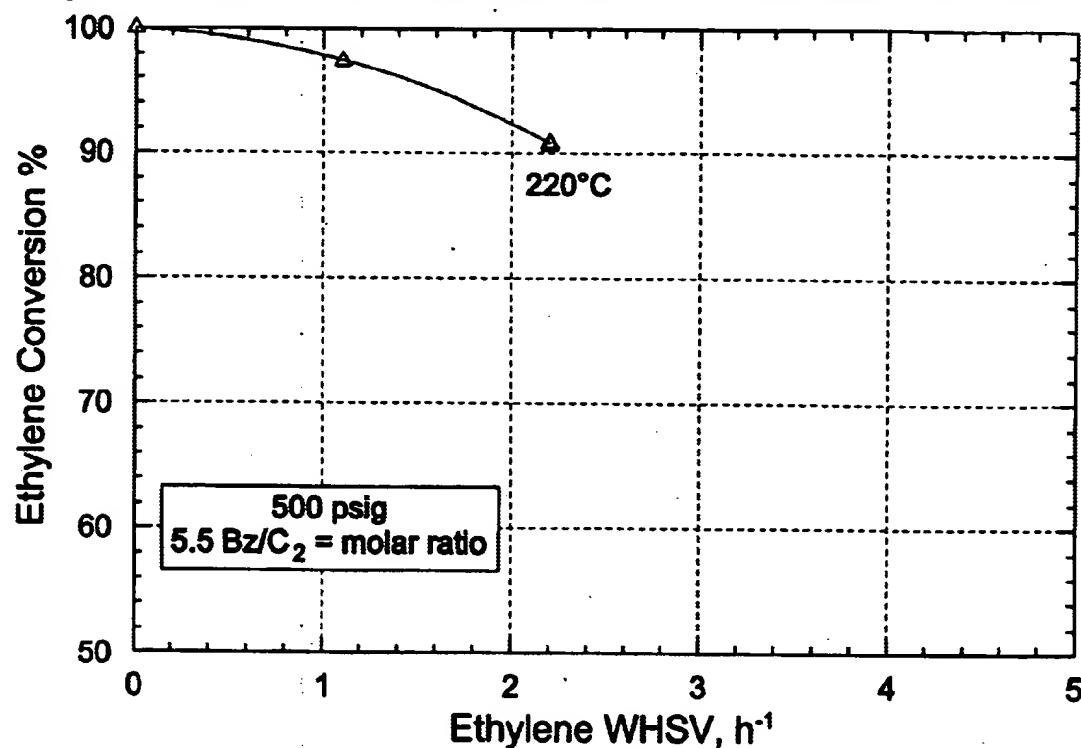


Fig. 2 Ethylbenzene Synthesis with Self-Bound MCM-22

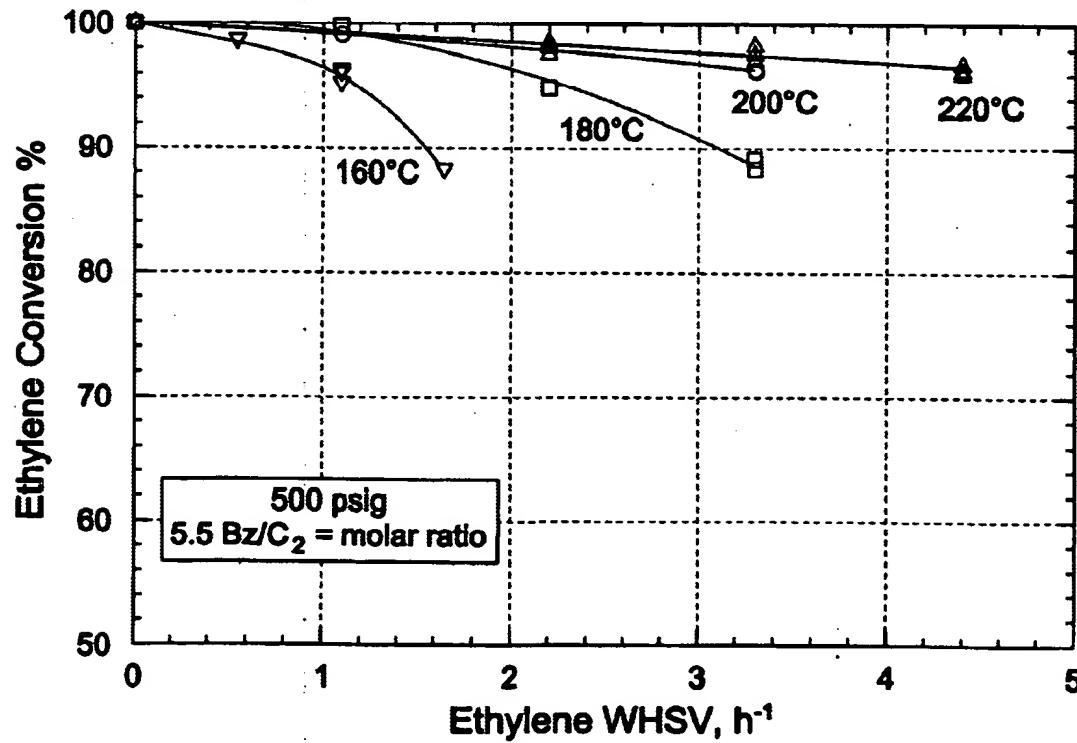




Fig. 3 Cumene Synthesis with MCM-22

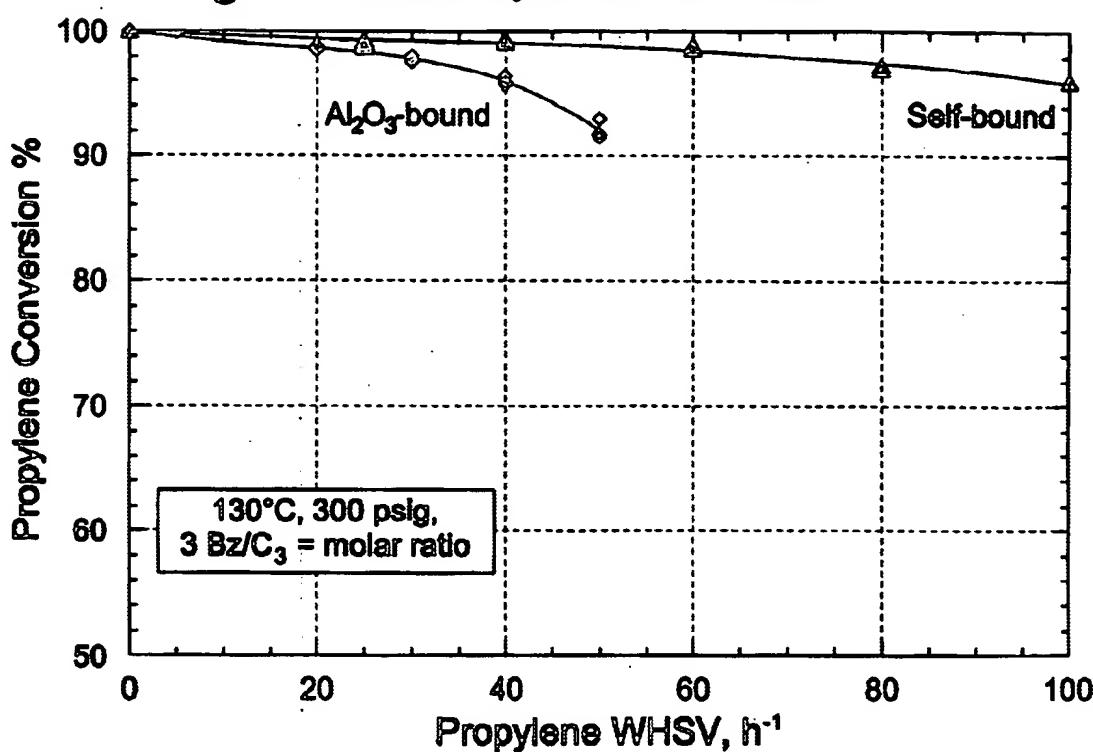
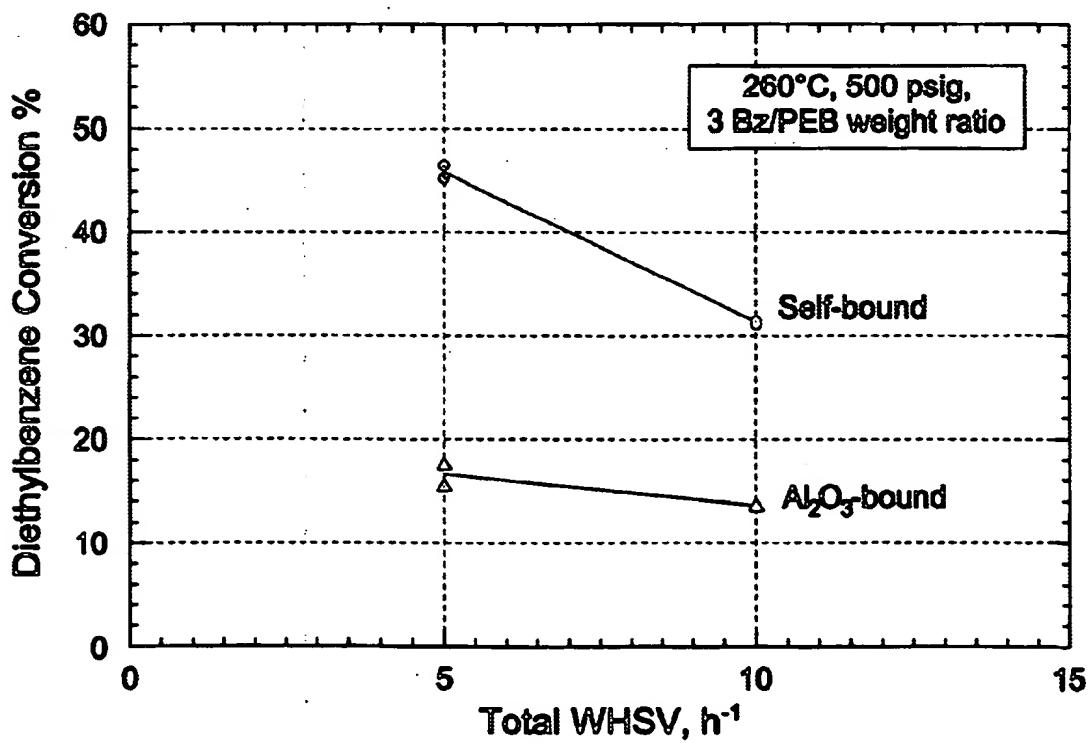


Fig. 4 Ethylbenzene Synthesis via Benzene/PEB Transalkylation with MCM-22





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**Fig. 5 Cumene Synthesis via Benzene/DIPB Transalkylation with MCM-22**

